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Specification

OIL-FEEDING DEVICE FOR AN ENGINE CRANKSHAFT

Technical field

The present invention relates to an engine crankshaft, and more specifically, to an oil-feeding device of a crankshaft.

Background art

An oil-feeding device of a crankshaft of an engine mounted on a vehicle, such as automobile, which has been already known as one of an oil-feeding device as described in Japanese Patent Laid-Open Publication No. 7-27127, is designed to comprise a pair of half-cylindrical bearing members mutually cooperating to surround a main journal portion of a crankshaft, wherein each of the bearing members has a half-circumferential slot provided on its surface facing the main journal portion and communicating with an oil passage of a cylinder block, and the crankshaft has paired pin oil-feeding passages each opening to the main journal portion on one end and a surface of a pin portion on the other end, whereby, whenever the crankshaft is half-rotated, the paired pin oil-feeding passages are made to alternatively communicate with one of the half-circumferential slots on the opposite sides.

According to such an oil-feeding device for a crankshaft, since the paired pin oil-feeding passages each alternatively communicate with one of the half-circumferential slots, feeding lubricating oil onto the surfaces of pin portions through the half-circumferential slots and pin oil-feeding passages for every half-rotation of the crankshaft, an oil passage in a cylinder block and the pin oil-feeding passage are rendered communicated with the whole circumferential area of the crankshaft, and thereby lubricating oil is surely and stably fed to the pin portions.